Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/22/2019 01:24 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124548	-1	1.24	124617	1.22
Blue	F	SSC	125000	124033	-1	1.77	124839	1.76
Blue	E	FITC	16122	15763	-3	2.69	344	20.16
Blue	D	PE	29316	28782	-2	1.92	627	15.00
Blue	B	PerCP-Cy5-5	42590	42135	-2	3.61	1133	20.16
Blue	A	PE-Cy7	33146	33325	0	6.09	636	40.85
Red	C	APC	45473	45295	-1	2.42	1599	11.98
Red	A	APC-Cy7	31961	30753	-4	2.40	815	12.17
Violet	B	V450	7914	7556	-5	5.06	422	13.71
Violet	A	V500	29769	28652	-4	4.96	667	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20750	3.23	606	6	N/A	N/A	Pass
Blue	F	SSC	56366	1.23	552	14	N/A	N/A	Pass
Blue	E	FITC	61	65.09	541	4	0.0197	145	Pass
Blue	D	PE	131	49.42	543	6	0.1485	236	Pass
Blue	B	PerCP-Cy5-5	208	49.42	649	11	0.0092	57	Pass
Blue	A	PE-Cy7	117	100.74	703	12	0.0108	14	Pass
Red	C	APC	380	25.18	589	10	0.0253	173	Pass
Red	A	APC-Cy7	179	29.65	564	8	0.0054	1154	Pass
Violet	B	V450	65	60.23	464	4	0.0485	2041	Pass
Violet	A	V500	100	33.28	476	4	0.0220	672	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.53	-31.73	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.76	13.60 - 20.40	N/A	N/A	29.11	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9906

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments